

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 through 22 (cancelled).

23. (previously presented) A nasal mask cushion to sealingly connect a mask to a wearer's face, the cushion comprising:

a substantially triangularly-shaped frame of resilient material having a rim to surround the wearer's nose;

a membrane also of resilient material, the membrane being relatively more flexible than the frame, and being of the same general shape as said rim and fixed to and extending away from the frame so as to have an outer surface spaced from the rim, a portion of said outer surface forming a face contacting seal portion; and

a nose-receiving cavity bounded by said frame and said membrane;

wherein said face contacting seal portion is generally coterminous with respect to said rim and is resiliently deformable towards the rim in use of the cushion.

24. (previously presented) The nasal cushion as claimed in claim 23, wherein said membrane and said rim each has a co-located notch to accommodate the bridge of a nose.

25. (previously presented) The nasal cushion as claimed in claim 24, wherein said membrane is shaped so that said seal portion, in use, contacts at least a wearer's nose.

26. (previously presented) The nasal cushion as claimed in claim 24, wherein said membrane and said rim are substantially saddle-shaped.

27. (currently amended) The nasal cushion as claimed in claim ~~24~~ 23, wherein said membrane is shaped so that said seal portion, in use, contacts at least a wearer's nose.

28. (previously presented) The nasal cushion as claimed in claim 27, wherein said seal portion, in use, contacts the facial tissue around the sides and over the bridge of the nose, and between the base of the nose and the top lip.

29. (previously presented) The nasal cushion as claimed in claim 23, wherein said rim and said seal portion are shaped to generally match facial contours of the facial tissue around the sides and over the bridge of the nose, and between the base of the nose and the top lip.

30. (previously presented) The nasal cushion as claimed in claim 23, wherein only the membrane is adapted to contact the wearer's face in use.

31. (currently amended) The nasal cushion as claimed in claim 23, ~~wherein~~
wherein only a single seal is provided about the wearer's face in use.

32. (previously presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including an outer surface and a notch adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an outer surface including a seal forming portion adapted to deform and form a seal over a portion of the wearer's face when the mask is in use, an inner surface opposing the outer surface of the frame, an edge defining the perimeter of the aperture, and a notch in a region of the membrane adapted to receive the bridge of the wearer's nose, wherein

the membrane is more flexible than the frame;

the aperture of the frame is larger than the aperture of the membrane; and

the edge of the membrane, in use, is spaced a distance from the frame in at least the region of the membrane adapted to receive the bridge of the wearer's nose.

33. (previously presented) A nasal mask cushion assembly according to claim 32, wherein the frame and the membrane are formed in a single piece.

34. (previously presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including a first side adapted to contact a mask body of the nasal mask, a second side opposite the first side, an aperture extending from the first side to the second side, a rim on the second side extending around the perimeter of the aperture, and a notch in the rim in a region adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an edge defining the perimeter of the aperture, a notch in a region adapted to receive the bridge of the wearer's nose, a first surface including a seal forming portion disposed around the perimeter of the aperture adapted to deform and form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, a second surface opposite the first surface that surrounds and is spaced a first distance from the rim of the frame in at least the region adapted to receive the bridge of the wearer's nose when the mask is in use, wherein the membrane is more flexible than the frame.

35. (previously presented) A nasal mask cushion assembly according to claim 34, wherein the frame and the membrane are formed in a single piece.

36. (previously presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including an inner surface, an outer surface, an aperture, and a notch in a region adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an outer surface including a seal forming portion adapted to deform and form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, an inner surface opposing the outer surface of the frame and spaced a first distance from the outer surface of the frame in at least the region of the frame adapted to receive the bridge of the wearer's nose when the mask is in use, an edge defining the perimeter of the aperture, and a notch in a region of the membrane adapted to receive the bridge of the wearer's nose, wherein

the membrane is more flexible than the frame;

the aperture of the frame is larger than the aperture of the membrane; and

the edge of the membrane is spaced a second distance from the frame, the second distance being variable.

37. (previously presented) A nasal mask cushion assembly according to claim 36, wherein the frame and the membrane are formed in a single piece.

38. (previously presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including a first side adapted to contact a mask body of the nasal mask, a second side opposite the first side, an aperture extending from the first side to the second side, and a notch in a region adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an edge defining the perimeter of the aperture, a notch in a region adapted to receive the bridge of the wearer's nose, a first surface including a seal forming portion disposed around the perimeter of the aperture adapted to deform and form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, a second surface opposite the first surface that surrounds and is spaced a first distance from the frame in at least the region adapted to receive the bridge of the wearer's nose when the mask is in use, wherein

the membrane is more flexible than the frame;

the aperture of the membrane is smaller than the aperture of the frame; and

the edge of the membrane is spaced a second distance from the frame, the second distance being variable.

39. (previously presented) A nasal mask cushion assembly according to claim 38, wherein the frame and the membrane are formed in a single piece.

40. (previously presented) A nasal mask cushion to sealingly connect a mask to a wearer's face, the cushion comprising:

a nasal bridge region, a cheek region and a lip region;

a first membrane comprising a frame of resilient material having a first molded inwardly curved rim; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, said second membrane curved rim spaced a distance from said first membrane curved rim, said distance being greater than a thickness of the first molded inwardly curved rim, said distance measured when the mask is not in use, a portion of said second membrane curved rim forming a face contacting seal.

41. (previously presented) The nasal mask cushion of claim 40, wherein the second membrane is comformable, in use, to various facial structures with minimum force.

42. (currently amended) The nasal mask cushion of claim 41, wherein a maximum deformation position of the second membrane is defined by the first membrane.

43. (currently amended) The nasal mask cushion of claim 42, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

44. (currently amended) The nasal mask cushion of claim 40, wherein the first and second membranes are formed as a one-piece unit.

45. (currently amended) The nasal mask cushion of claim 40, wherein the first membrane is thicker than the second membrane.

46. (previously presented) A nasal mask for connection to a wearer's face comprising:

a mask body for connection with a supply of breathable gas; and

a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, said cushion including:

a nasal bridge region, a cheek region and a lip region;

a first membrane of resilient material having a first molded inwardly curved rim; and

a saddle-shaped second membrane also of resilient material, said second membrane having a second molded inwardly curved rim, said second molded rim being fixed to and extending away from said first membrane so as to have a second membrane inner surface spaced a distance from an outer surface of said first molded rim, said distance greater than a thickness of the first molded inwardly curved rim, said first distance measured when the mask is not in use, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is substantially coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask.

47. (previously presented) The nasal mask of claim 46, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including an oblong slot positioned on each lateral side of the arm to receive a strap.

48. (previously presented) The nasal mask of claim 47, further comprising a single resilient pad mounted on the arm and centered above the nasal bridge region of the mask.

49. (previously presented) The nasal mask of claim 48, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

50. (previously presented) The nasal mask of claim 49, wherein a maximum deformation position of the second membrane is defined by the first membrane.

51. (previously presented) The nasal mask of claim 50, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

52. (previously presented) The nasal mask of claim 46, wherein the first and second membranes are formed as a one-piece unit.

53. (previously presented) The nasal mask of claim 46, wherein the first membrane is thicker than the second membrane.

54. (currently amended) A nasal CPAP treatment apparatus comprising:
a flow generator for the supply of gas at a pressure elevated above atmospheric pressure;
a gas delivery conduit coupled to said flow generator; and
a nasal mask in turn coupled to said conduit to said nasal mask including:

a mask body for connection with a supply of breathable gas; and

a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, the cushion including:

a nasal bridge region, a cheek region and a lip region;

a first membrane of resilient material having a first membrane having a first molded inwardly curved rim; and

a saddle-shaped second membrane having a second molded inwardly curved rim also of resilient material, said second membrane being fixed to and extending away from said first membrane so as to have an inner surface spaced a distance from said first molded rim, said distance greater than a thickness of the first inwardly curved rim, said distance measured when the mask is not in use, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is generally coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask.

55. (currently amended) The ~~nasal mask apparatus~~ of claim 54, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including an oblong slot positioned on each lateral side of the arm to receive a strap.

56. (currently amended) The ~~nasal mask apparatus~~ of claim 55, further comprising a single resilient pad mounted on the arm and centered above the nasal bridge region of the mask.

57. (currently amended) The ~~nasal mask apparatus~~ of claim 56, wherein the second membrane is comformable, in use, to various facial structures with minimum force.

58. (currently amended) The ~~nasal mask apparatus~~ of claim 57, wherein a maximum deformation position of the second membrane is defined by the first membrane.

59. (currently amended) The ~~nasal mask apparatus~~ of claim 58, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

60. (currently amended) The ~~nasal mask apparatus~~ of claim 54, wherein the first and second membranes are formed as a one-piece unit.

61. (currently amended) The ~~nasal mask apparatus~~ of claim 54, wherein the first membrane is thicker than the second membrane.

62. (previously presented) A nasal mask cushion for sealingly connecting a mask to a wearers face, comprising:

a frame of resilient material having a first membrane, the first membrane including a first molded inwardly curved rim; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, said second membrane curved rim spaced a distance from said first membrane curved rim, said distance greater than a thickness of the first molded inwardly curved rim, said distance measured when the mask is not in use, a portion of said second membrane curved rim forming a face contacting seal.

63. (currently amended) The nasal mask cushion of claim 62, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

64. (currently amended) The nasal mask cushion of claim 63, wherein a maximum deformation position of the second membrane is defined by the first membrane.

65. (currently amended) The nasal mask cushion of claim 64, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

66. (currently amended) The nasal mask cushion of claim 62, wherein the first and second membranes are formed as a one-piece unit.

67. (currently amended) The nasal mask cushion of claim 62, wherein the first membrane is thicker than the second membrane.

68. (previously presented) A nasal mask cushion to sealingly connect a mask to a wearer's face, the cushion comprising:

a nasal bridge region, a cheek region and a lip region;

a first membrane comprising a frame of resilient material having a first molded inwardly curved rim; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, a portion of said second membrane curved rim forming a face contacting seal, said second membrane curved rim spaced a sufficient distance from said first membrane curved rim such that under a normal tightening force of the mask to the wearer's face, at least a portion of the second membrane curved rim remains spaced from the first membrane curved rim.

69. (currently amended) The nasal mask cushion of claim 68, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

70. (currently amended) The nasal mask cushion of claim 69, wherein a maximum deformation position of the second membrane is defined by the first membrane.

71. (currently amended) The nasal mask cushion of claim 70, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

72. (currently amended) The nasal mask cushion of claim 68, wherein the first and second membranes are formed as a one-piece unit.

73. (currently amended) The nasal mask cushion of claim 68, wherein the first membrane is thicker than the second membrane.

74. (currently amended) A nasal mask for connection to a wearer's face comprising:

a mask body for connection with a supply of breathable gas; and

a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, said cushion including:

a nasal bridge region, a cheek region and a lip region;

a substantially triangularly-shaped first membrane of resilient material having a first molded inwardly curved rim ~~to surround wearer's nose~~; and

a saddle-shaped second membrane also of resilient material, said second membrane having a second molded inwardly curved rim, said second molded rim being fixed to and extending away from said first membrane so as to have a second membrane inner surface spaced a distance from an outer surface of said first molded rim, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is substantially coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask, at least a portion of the second molded rim remaining spaced from the first molded rim when the mask is connected to the wearer's face.

75. (currently amended) The nasal mask of claim 74, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including ~~an~~ at least one oblong slot ~~positioned on each lateral side of the arm~~ to receive a strap.

76. (currently amended) The nasal mask of claim 75, further comprising ~~a single resilient~~ at least one pad mounted on ~~provided to the arm and centered above the nasal~~ bridge region of the mask.

77. (previously presented) The nasal mask of claim 76, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

78. (previously presented) The nasal mask of claim 77, wherein a maximum deformation position of the second membrane is defined by the first membrane.

79. (previously presented) The nasal mask of claim 78, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

80. (previously presented) The nasal mask of claim 74, wherein the first and second membranes are formed as a one-piece unit.

81. (previously presented) The nasal mask of claim 74, wherein the first membrane is thicker than the second membrane.

82. (previously presented) A nasal CPAP treatment apparatus comprising:
a flow generator for the supply of gas at a pressure elevated above atmospheric pressure;
a gas delivery conduit coupled to said flow generator; and
a nasal mask in turn coupled to said conduit to said nasal mask including:

a mask body for connection with a supply of breathable gas; and

a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, the cushion including:

a nasal bridge region, a cheek region and a lip region;

a frame of resilient material having a first membrane with a molded inwardly curved rim; and

a saddle-shaped second membrane having a second molded inwardly curved rim also of resilient material, said second membrane being fixed to and extending away from said first membrane so as to have an inner surface spaced a distance from said first molded rim, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is generally coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask, at least a portion of the second molded rim remaining spaced from the first molded rim when the mask is connected to a wearer's face.

83. (currently amended) The ~~nasal-mask-apparatus~~ of claim 82, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including an oblong slot positioned on each lateral side of the arm to receive a strap.

84. (currently amended) The ~~nasal mask~~ apparatus of claim 83, further comprising a single resilient pad mounted on the arm and centered above the nasal bridge region of the mask.

85. (currently amended) The ~~nasal mask~~ apparatus of claim 84, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

86. (currently amended) The ~~nasal mask~~ apparatus of claim 85, wherein a maximum deformation position of the second membrane is defined by the first membrane.

87. (currently amended) The ~~nasal mask~~ apparatus of claim 82, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

88. (currently amended) The ~~nasal mask~~ apparatus of claim 82, wherein the first and second membranes are formed as a one-piece unit.

89. (currently amended) The ~~nasal mask~~ apparatus of claim 82, wherein the first membrane is thicker than the second membrane.

90. (currently amended) A nasal mask cushion for sealingly connecting a mask to a wearer's face, comprising:

a frame of resilient material having a first membrane, at least a portion of the first membrane including a first molded inwardly curved rim; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, said second membrane curved rim spaced a distance from said first membrane curved rim, measured when the mask is not in use, a portion of said second membrane curved rim forming a face contacting seal, said second membrane curved rim spaced a sufficient distance from said first membrane curved rim such that under a normal tightening force of the mask to the wearer's face, the second membrane curved rim remains spaced from the first membrane curved rim around at least a portion of the first membrane curved rim.

91. (currently amended) The nasal mask cushion of claim 90, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

92. (currently amended) The nasal mask cushion of claim 91, wherein a maximum deformation position of the second membrane is defined by the first membrane.

93. (currently amended) The nasal mask cushion of claim 92, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

94. (currently amended) The nasal mask cushion of claim 90, wherein the first and second membranes are formed as a one-piece unit.

95. (currently amended) The nasal mask cushion of claim 90, wherein the first membrane is thicker than the second membrane.

96. (currently amended) A cushion and mask assembly comprising:
a mask including a mask shell constructed to receive a supply of breathable air, an arm extending away from the mask shell and including ~~an~~ at least one oblong slot ~~positioned on each lateral side of the arm~~ to receive a strap, and a resilient pad ~~mounted on~~ provided to the arm ~~and centered~~ above a nasal bridge region of the mask; and

a cushion having a main upstanding wall, the wall having a first end removably coupleable to the mask and a second end defining an opening into a nasal cavity formed by the mask and the cushion, at least a portion of the wall including a first membrane positioned between the first and second ends and extending inwardly onto the nasal cavity, the second end of the wall defining a saddle-shaped second membrane adapted to form a seal over a portion of the wearer's face in a region between the base of the nose

and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, the second membrane being spaced from the first membrane a distance that is greater than a thickness of the first membrane, the first membrane having a width that is less than a distance from an intersection of the first membrane and the wall to an edge of the second membrane defining an aperture of the nasal cavity, the second membrane overhanging and covering substantially all portions of the first membrane, the first membrane acting to define a maximum deformation position of the second membrane in use.

97. (currently amended) The ~~nasal mask assembly~~ of claim 96, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

98. (currently amended) The ~~nasal mask assembly~~ of claim 96, wherein the first and second membranes are formed as a one-piece unit.

99. (currently amended) The ~~nasal mask assembly~~ of claim 96, wherein the first membrane is thicker than the second membrane.

100. (new) The apparatus of claim 82, wherein the mask body includes a plurality of vent openings.

101. (new) The apparatus of claim 82, wherein an edge of the frame interengages with the mask body, the edge being non-planar, the edge including a nasal bridge edge region and a lip edge region that diverge away from each cheek edge region and towards the mask body.

102. (new) The nasal mask of claim 46, wherein the mask body includes a plurality of vent openings.

103. (new) The nasal mask of claim 46, wherein an edge of the frame interengages with the mask body, the edge being non-planar, the edge including a nasal bridge edge region and a lip edge region that diverge away from each cheek edge region and towards the mask body.

104. (new) The nasal mask cushion of claim 40, wherein an edge of the frame is adapted to interengage with the mask, the edge being non-planar, the edge including a nasal bridge edge region and a lip edge region that diverge away from each cheek edge region.